



This document includes Appendix A: Adjustment of Cost Estimate to 1999 \$ DD 963 Representative Vessel Class, of the Draft EPA Report "Surface Vessel Bilgewater/Oil Water Separator Feasibility Impact Analysis Report" published in 2003. The reference number is: EPA-842-D-06-019

**DRAFT**  
**Feasibility Impact Analysis Report**  
**Surface Vessel Bilgewater/Oil Water**  
**Separator**

Appendix A: Adjustment of Cost Estimate to 1999 \$ DD 963  
Representative Vessel Class

2003

### Appendix A – Adjustment of Cost Estimates to 1999 \$

#### DD 963 Representative Vessel Class

<b>Cost Estimate Description</b>	<b>Estimate Base-Year</b>	<b>Estimate in Base-Year \$</b>	<b>Price Adjustment Factor<sup>1</sup></b>	<b>Estimate Adjusted to 1999 \$</b>	<b>Estimate (Adj) in Sig.Figs.</b>
Centrifuge Procurement Cost	2000	143,000	.966	138,138	138,000
Centrifuge Installation Cost	2000	106,900	.966	103,265.4	103,300
Centrifuge Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Centrifuge Technical Drawing Cost	2000	32,000	.966	30,912	30,910
Centrifuge Training Material Cost	2001	10,000	.933	9,330	9,330
Hydrocyclone Procurement Cost	2000	7,900	.966	7,631.4	7,631
Hydrocyclone Installation Cost	2000	92,600	.966	89,451.6	89,450
Hydrocyclone Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Hydrocyclone Technical Drawing Cost	2000	26,000	.966	25,116	25,120
Hydrocyclone Training Material Cost	2001	10,000	.933	9,330	9,330
Filter Media Procurement Cost	1997	15,000	1.045	15,675	16,000
Filter Media Installation Cost	2000	66,000	.966	63,756	63,760
Filter Media Technical Manual Cost	1999	85,000	1.0	85,000	85,000
Filter Media	1997	7,000	1.045	7,315	7,315

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<b>Cost Estimate Description</b>	<b>Estimate Base-Year</b>	<b>Estimate in Base-Year \$</b>	<b>Price Adjustment Factor<sup>1</sup></b>	<b>Estimate Adjusted to 1999 \$</b>	<b>Estimate (Adj) in Sig.Figs.</b>
Canister Replacement Cost					
Filter Media Technical Drawing Cost	2000	14,000	.966	13,524	13,520
Filter Media Training Material Cost	2001	10,000	.933	9,330	9,330
UF Membrane Procurement Cost	1999	200,000	1.0	200,000	200,000
UF Membrane Installation Cost	2000	95,500	.966	92,253	92,250
UF Membrane Technical Manual Cost	1999	85,000	1.0	85,000	85,000
UF Membrane Technical Drawing Cost	2000	22,000	.966	21,252	21,250
UF Membrane Training Material Cost	2001	10,000	.933	9,330	9,330

1. Consumer Price Index - All Urban Consumers, not seasonally adjusted, U.S. city average, all items. Data extracted on May 23, 2001 from Bureau of Labor Statistics <<http://stats.bls.gov/cpihome.html>>.